

AQUATIC TOXICOLOGY

Contents of Volume 32

No. 1	May 1995
M.F. Helmstetter and R.W. Alden III (USA) Passive trans-chorionic transport of toxicants in topically treated Japanese medaka (Oryzia: latipes) eggs	s 1
M.F. Helmstetter and R.W. Alden III (USA) Toxic responses of Japanese medaka (Oryzias latipes) eggs following topical and immersion exposures to pentachlorophenol	n 15
A.J.H.X. Stouthart, F.A.T. Spanings, R.A.C. Lock and S.E. Wendelaar Bonga (Netherlands) Effects of water pH on chromium toxicity to early life stages of the common carp (Cyprinus carpio)	s 31
V.J. Smith, R.J. Swindlehurst, P.A. Johnston and A.D. Vethaak (UK, Netherlands) Disturbance of host defence capability in the common shrimp, Crangon crangon, by exposure to harbour dredge spoils	43
R.K. Pipe, J.A. Coles, M.E. Thomas, V.U. Fossato and A.L. Pulsford (UK, Italy) Evidence for environmentally derived immunomodulation in mussels from the Venice Lagoon	59
J. Kukkonen and P.F. Landrum (Finland, USA) Measuring assimilation efficiencies for sediment-bound PAH and PCB congeners by benthic organisms	75
Nos. 2,3	une 1995
M.J.C. Rozemeijer, J.P. Boon, C. Swennen, A. Brouwer and A.J. Murk (Netherlands) Dioxin type and mixed type induction of the cytochrome P-450 system of common eider duck- lings (Somateria mollissima) by PCBs: with indications for biotransformation	. 93
M.J. Barry, D.C. Logan, R.A. van Dam, J.T. Ahokas and D.A. Holdway (Australia) Effect of age and weight-specific respiration rate on toxicity of esfenvalerate pulse-exposure to the Australian crimson-spotted rainbow fish (Melanotaenia fluviatilis)	115
G. De Boeck, H. De Smet and R. Blust (Belgium) The effect of sublethal levels of copper on oxygen consumption and ammonia excretion in the common carp, Cyprinus carpio	127
B.J. Brüschweiler, F.E. Würgler and K. Fent (Switzerland) Cytotoxicity in vitro of organotin compounds to fish hepatoma cells PLHC-1 (Poeciliopsis lucida)	143

B. Croce, R.M. Stagg and M. Smith (UK) Effects of exposure to a combination of β -naphthoflavone and resin acids on biotransformation enzymes in Atlantic salmon parr $(Salmo\ salar)$	161
N.L. Gilbert, MJ. Cloutier and P.A. Spear (Canada) Retinoic acid hydroxylation in rainbow trout (Oncorhynchus mykiss) and the effect of a coplanar PCB, 3,3',4,4'-tetrachlorobiphenyl	177
H.M. Sleiderink, J. Beyer, E. Scholtens, A. Goksøyr, J. Nieuwenhuize, J.M. Van Liere, J.M. Everaarts and J.P. Boon (Netherlands, Norway) Influence of temperature and polyaromatic contaminants on CYP1A levels in North Sea dab (Limanda limanda)	189
M. Eggens, A. Bergman, D. Vethaak, M. van der Weiden, M. Celander and J.P. Boon (Netherlands, Sweden) Cytochrome P4501A indices as biomarkers of contaminant exposure: results of a field study with plaice (Pleuronectes platessa) and flounder (Platichthys flesus) from the southern North Sea	211
V.M. Vasconcelos (Portugal) Uptake and depuration of the heptapeptide toxin microcystin-LR in Mytilus galloprovincialis	227
S.J. Duquesne and J.C. Coll (Australia) Metal accumulation in the clam Tridacna crocea under natural and experimental conditions	239
S. Koivisto and M. Ketola (Sweden, Finland)	255
Effects of copper on life-history traits of Daphnia pulex and Bosmina longirostris	233
	y 1995
No. 4 C.P. Charoy, C.R. Janssen, G. Persoone and P. Clément (France, Belgium) The swimming behaviour of Brachionus calyciflorus (rotifer) under toxic stress. I. The use of	y 1995
No. 4 C.P. Charoy, C.R. Janssen, G. Persoone and P. Clément (France, Belgium) The swimming behaviour of Brachionus calyciflorus (rotifer) under toxic stress. I. The use of automated trajectometry for determining sublethal effects of chemicals K. Gustavson and SÅ. Wängberg (Denmark, Sweden)	y 1995
No. 4 C.P. Charoy, C.R. Janssen, G. Persoone and P. Clément (France, Belgium) The swimming behaviour of Brachionus calyciflorus (rotifer) under toxic stress. I. The use of automated trajectometry for determining sublethal effects of chemicals K. Gustavson and SÅ. Wängberg (Denmark, Sweden) Tolerance induction and succession in microalgae communities exposed to copper and atrazine S.M.G.J. Pelgrom, R.A.C. Lock, P.H.M. Balm and S.E. Wendelaar Bonga (Netherlands) Integrated physiological response of tilapia, Oreochromis mossambicus, to sublethal copper ex-	y 1995 271 283
No. 4 C.P. Charoy, C.R. Janssen, G. Persoone and P. Clément (France, Belgium) The swimming behaviour of Brachionus calyciflorus (rotifer) under toxic stress. I. The use of automated trajectometry for determining sublethal effects of chemicals K. Gustavson and SÅ. Wängberg (Denmark, Sweden) Tolerance induction and succession in microalgae communities exposed to copper and atrazine S.M.G.J. Pelgrom, R.A.C. Lock, P.H.M. Balm and S.E. Wendelaar Bonga (Netherlands) Integrated physiological response of tilapia, Oreochromis mossambicus, to sublethal copper exposure J. Lappivaara, M. Nikinmaa and H. Tuurala (Finland) Arterial oxygen tension and the structure of the secondary lamellae of the gills in rainbow trout	y 1995 271 283 303
No. 4 C.P. Charoy, C.R. Janssen, G. Persoone and P. Clément (France, Belgium) The swimming behaviour of Brachionus calyciflorus (rotifer) under toxic stress. I. The use of automated trajectometry for determining sublethal effects of chemicals K. Gustavson and SÅ. Wängberg (Denmark, Sweden) Tolerance induction and succession in microalgae communities exposed to copper and atrazine S.M.G.J. Pelgrom, R.A.C. Lock, P.H.M. Balm and S.E. Wendelaar Bonga (Netherlands) Integrated physiological response of tilapia, Oreochromis mossambicus, to sublethal copper exposure J. Lappivaara, M. Nikinmaa and H. Tuurala (Finland) Arterial oxygen tension and the structure of the secondary lamellae of the gills in rainbow trout (Oncorhynchus mykiss) after acute exposure to zinc and during recovery W.J. Sadinski, G. Levay, M.C. Wilson, J.R. Hoffman, W.J. Bodell and S.L. Anderson (USA) Relationships among DNA adducts, micronuclei, and fitness parameters in Xenopus laevis ex-	y 1995 271 283 303